

07

NOVEMBER 1937
METEOROLOGICAL REGISTER

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. $33^{\circ} 54' 22''$ N.

LONG. E. FROM GREENWICH $35^{\circ} 28' 10''$

NOVEMBER, 1937

J. A. BROWN, DIRECTOR

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Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	55.1	55.3	58.9	56.4	24.1	16.8	22.3	18.1	19.2	19.9
2	61.4	62.5	63.3	62.6	23.7	18.0	21.7	22.6	19.8	21.4
3	4.6	4.1	4.5	4.4	23.5	17.9	20.9	22.8	19.8	21.2
4	4.8	3.6	4.0	4.1	23.2	18.2	21.6	22.6	21.9	22.0
5	3.2	2.3	2.2	2.6	24.5	18.8	21.9	23.8	19.9	21.9
6	61.4	60.1	60.2	60.6	24.8	21.9	21.7	23.9	24.2	23.3
7	1.1	0.7	1.4	1.1	26.4	21.9	24.8	25.5	22.2	24.2
8	1.0	0.7	0.9	0.9	24.9	19.2	24.2	20.7	21.4	22.1
9	0.7	59.4	0.2	0.1	24.3	18.9	22.6	23.6	20.3	22.2
10	1.4	60.9	1.2	1.2	24.1	19.8	22.7	23.3	20.6	22.1
11	62.5	61.0	61.7	61.7	24.6	20.4	22.8	24.7	21.4	23.0
12	2.4	1.3	1.7	1.8	24.8	19.8	23.8	24.3	20.5	22.9
13	1.1	59.1	0.4	0.2	24.1	17.7	22.4	23.6	19.5	21.8
14	2.0	61.9	3.1	2.3	22.7	17.0	19.8	19.2	18.6	19.2
15	4.6	3.6	4.0	4.1	21.8	16.9	19.9	21.3	18.8	20.0
16	64.2	63.0	62.7	63.3	21.8	17.2	19.6	21.1	19.8	20.2
17	2.8	1.3	1.4	1.8	22.4	15.4	19.8	20.9	19.4	20.0
18	1.1	59.3	59.4	59.9	23.2	19.0	21.1	22.7	21.3	21.7
19	59.7	7.9	6.9	8.2	22.3	15.8	20.0	21.3	20.2	20.5
20	7.9	5.9	4.7	6.2	21.7	14.8	19.1	19.0	16.4	18.5
21	54.5	54.5	56.5	55.2	22.6	15.7	18.2	21.4	17.2	18.8
22	59.2	9.3	8.3	8.9	20.6	16.7	17.1	20.3	17.9	18.4
23	61.5	60.9	61.6	61.3	21.2	16.7	18.3	20.1	17.2	18.5
24	1.4	59.7	0.2	0.4	19.6	15.3	19.3	18.7	16.5	18.2
25	0.9	61.2	2.5	1.5	21.6	16.2	18.2	20.6	18.0	18.9
26	63.7	61.7	62.3	62.6	21.8	17.4	17.6	21.5	18.4	19.2
27	1.4	0.0	59.9	0.4	23.4	18.7	21.1	22.3	20.4	21.3
28	58.3	59.5	61.0	59.3	21.0	13.8	21.5	15.4	17.1	18.0
29	64.3	63.5	3.7	63.8	21.1	15.6	17.6	20.3	17.5	18.5
30	2.5	1.4	1.9	1.9	20.8	15.3	17.8	20.0	17.3	18.4
	761.36	760.52	761.02	760.96	22.89	17.56	20.65	21.52	19.42	20.54

Barometer, range for month 754.5 mm. - 764.8 mm.

„ 50-yr. average for month 762.865 mm.

Thermometer, range for month 13.8° C. - 26.4° C.

„ 50-yr. average for month 19.68° C.

Rain, total for month 170.438 mm.

„ , 50-yr. average for month 135.13 mm.

„ , total, Sept. 1st to end of month 371.058 mm.

„ 50-yr. average, Sept. 1st to end of month 195.08 mm.

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Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	17.3	17.7	16.9	11.6	14.8	12.7	13.0	57	95	77	76	4.1	66.044 trace
2	18.9	18.6	17.4	14.2	13.4	13.2	13.6	78	65	77	72	7.6	
3	17.3	19.2	17.2	12.3	14.0	12.8	13.0	67	68	74	70	7.1	9.7
4	17.9	18.7	18.6	12.8	13.4	13.7	13.3	66	66	69	67	9.7	
5	18.9	20.7	18.4	14.0	15.9	14.6	14.8	71	72	84	76	9.7	6.2
6	19.2	19.9	17.5	14.7	14.5	11.0	13.4	76	65	49	63	6.2	
7	18.1	20.6	17.3	11.4	14.5	11.6	12.5	50	59	57	55	8.6	1.778
8	21.6	18.6	17.9	17.1	14.3	12.9	14.8	76	79	68	74	0.1	
9	18.7	20.3	18.2	13.4	15.4	13.9	14.2	66	70	79	72	10.0	9.9
10	18.1	19.7	17.1	12.4	14.6	14.7	13.9	61	68	67	65	9.9	
11	19.2	21.3	18.7	14.0	16.2	14.1	14.8	68	70	74	71	9.2	8.6
12	19.4	21.2	18.7	13.7	16.4	14.6	14.9	62	73	81	72	8.6	
13	20.1	20.3	19.1	15.8	15.3	14.5	15.2	78	70	85	78	6.6	13.843 trace
14	17.7	17.4	16.4	13.6	13.6	12.4	13.2	79	82	79	80	4.5	
15	16.4	17.9	16.2	11.6	12.9	11.9	12.1	68	68	75	70	9.2	trace
16	16.3	17.6	16.8	11.8	12.6	12.3	12.2	69	68	71	69	6.6	
17	17.6	18.3	17.6	13.3	13.8	13.7	13.6	77	75	82	78	6.7	5.3
18	18.6	20.5	18.8	14.2	16.2	14.3	15.2	76	79	75	77	7.9	
19	17.3	19.8	19.7	12.8	14.3	16.6	14.6	74	75	95	81	5.3	trace
20	16.2	17.8	15.4	11.8	14.4	12.3	12.8	72	88	38	33	1.6	
21	15.3	17.9	14.7	11.2	12.9	10.9	11.7	72	68	75	72	1.5	15.494
22	15.6	17.6	15.8	12.1	13.1	12.0	12.4	84	74	79	79	6.7	trace
23	16.7	17.6	16.0	13.0	13.2	12.7	13.0	83	75	87	82	3.1	3.810
24	16.3	17.2	15.9	11.9	13.3	13.0	12.8	71	85	94	83	0.6	12.065
25	16.4	16.5	15.1	12.6	11.4	11.0	11.7	81	63	71	72	7.4	2.032
26	15.5	16.1	17.2	11.8	10.4	13.7	12.0	79	55	87	74	6.1	1.270
27	16.2	18.3	17.2	10.7	12.9	12.4	12.0	57	64	70	64	3.8	8.890
28	18.0	13.3	15.9	13.0	10.0	12.7	11.9	68	77	87	77	4.7	
29	16.4	17.2	15.1	12.9	12.5	11.2	12.2	88	70	75	78	7.5	11.557
30	15.2	16.1	14.1	11.2	11.2	10.0	10.8	74	64	68	69	5.7	
	12.89	13.72	12.91	13.19	71.4	71.7	76.6	73.3	6.21	5.681			

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

0-year averages are for period, 1875-1924

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Kms.		
1	8ci	10ni	9ni	9.0	2s	2s	3s	338.8	mod.	
2	5cu	8cu	0	4.3	3s	2sw	2s	257.3	"	
3	10ci	8ci	0	6.0	2s	2w	2se	189.8	slight	
4	2cu	0	0	0.7	1se	3n	3n	251.0	"	
5	0	8ci	0	2.7	2e	2w	1nw	128.4	"	mist on sea a.m.
6	10ci	10ci	0	6.7	2ne	3ne	3ne	320.2	"	
7	10ci	8ci	3ci	7.0	2se	1w	2nw	240.4	"	
8	10steu	10ni	0	6.7	3ne	4ne	2n	271.7	mod	
9	1cu	3cu	0	1.3	1se	1n	2n	140.7	slight	
10	0	0	0	0.0	1se	3ne	2ne	243.0	calm	
11	4ci	3cu	7steu	4.7	1s	1se	2se	188.0	"	
12	3st	4steu	5st	4.0	2se	2nw	1nw	158.4	slight	mist on sea a.m.
13	8steu	9ci	10ni	9.0	1s	2s	3s	283.7	calm	" " " th. l'ing
14	10cu	10ni	4cu	8.0	3s	3nw	2s	274.2	rough	
15	4cu	8cu	5cu	5.7	2se	2nw	2n	207.0	mod.	mist a.m.
16	6cu	7cu	8steu	7.0	1se	2n	3ne	214.8	slight	
17	7ci	10ci	5cu	7.3	2se	2n	2n	173.6	calm	" "
18	2cu	10ci	10ci	7.3	1s	2sw	3s	349.6	slight	" "
19	9cu	10cu	10ni	9.7	4s	4sw	3s	395.1	"	
20	10ci	10cu	10ni	10.0	3s	3s	2s	353.4	calm	
21	10ni	10ni	10ni	10.0	3s	3s	2s	284.4	mod.	
22	6cu	3cu	2cu	3.7	2s	1nw	2n	122.8	rough	
23	10ni	9cu	4cu	7.7	2w	2s	2s	226.7	mod.	
24	10ni	10ni	10ni	10.0	3s	2s	2s	274.5	calm	
25	5cu	9ci	2cu	5.3	2s	2sw	2e	223.1	mod.	
26	8cu	5ci	0	4.3	2s	3s	3se	253.6	"	
27	10ci	10ci	0	6.7	2e	3e	1e	188.8	"	
28	8ci	10ni	10ni	9.3	2s	3s	3s	318.5	rough	
29	3cu	10cu	0	5.3	2s	2s	2se	266.6	"	
30	2cu	9cu	3cu	4.7	2se	3s	3s	350.3	mod.	mist on sea a.m.
				6.14	2.0	2.3	2.2	252.95		

NUMBER OF DAILY WIND OBSERVATIONS										
Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	2	2	9	16	0	1	0	0	30
14:30	4	3	1	1	10	4	3	4	0	30
20:30	6	3	2	4	12	0	0	3	0	30
Totals	10	8	5	14	38	4	4	7	0	90

Number of days with rain 11, fog 0, thunderstorm 0, gales 0.

50 yr. average number of days with rain during month 9.8